

# Research & Innovation

School of Mechanical Engineering

FOR FURTHER DETAILS,  
PLEASE CONTACT:

## BUSINESS UNIT

SCHOOL OF MECHANICAL ENGINEERING  
ENGINEERING CAMPUS  
UNIVERSITI SAINS MALAYSIA  
14300 NIBONG TEBAL  
PENANG  
MALAYSIA

## TELEPHONE

+604-599 6309 / 5982 / 5860 / 6337

## FACSIMILE

+604-599 6912

## EMAIL:

mebusiness@usm.my

## WEBSITE:

<http://mebusiness.eng.usm.my>

## BIOMASS COOKING STOVE

### ● BRIEF DESCRIPTION OF THE PRODUCT

This product uses wood waste, brunch, coconut shell as fuel. This product is portable and produces no smoke. The stove consume 1 kg of biomass for cooking time of 60 minutes with store power of 2 - 3 kW.



### ● APPLICATION & BENEFIT OF THE PRODUCT

Help the villages to use safer stove for cooking. Present stoves that use wood, produce a lot of smoke and can cause lung infection.

### ● TARGET GROUP

Cooking in rural area/villages and outdoor camping.

### ● COST

Negotiable

### ● LEAD TIME FOR PRODUCT FABRICATION

6 to 8 Weeks

### RESEARCHER

Professor Zainal Alimuddin Zainal Alauddin  
(Email: mezainal@usm.my)

